

# Fractions and Decimals

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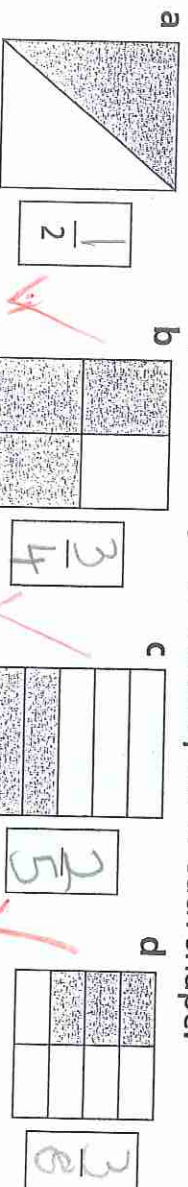
Class 3A Date 22/01/10

## Progression Points

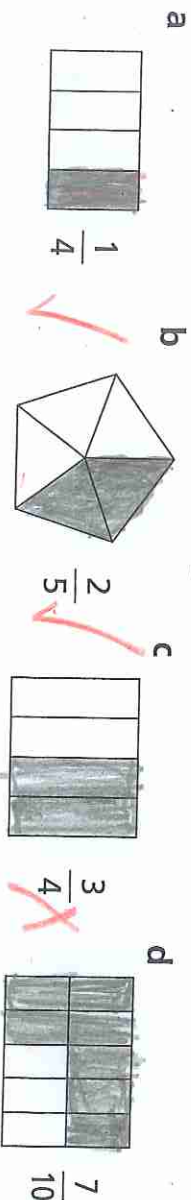
- 2.25 Use of fractions with numerators other than one; for example,  $\frac{3}{4}$  of a block of chocolate.
- 2.5 Development and use of fraction notation and recognition of equivalent fractions such as  $\frac{1}{2} = \frac{4}{8}$ , including the ordering of fractions using physical models.
- 2.75 Add and subtract simple common fractions with the assistance of physical models. Write equivalent fractions and decimals; e.g.  $\frac{1}{10} = 0.1$ .
- 3.0 Use of place value to determine the size and order of decimals to hundredths.
- 3.0+ State the place value of numbers to 3 decimal places. Mentally add and subtract like fractions.

2.25

1 Label the fractions represented by the shaded part of each shape.

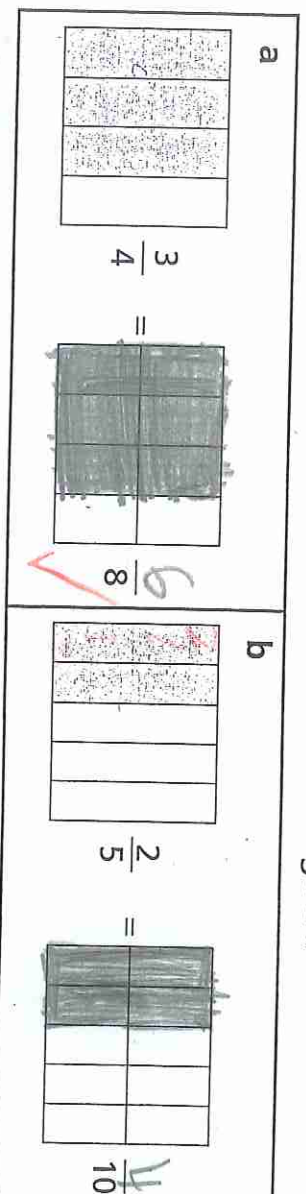


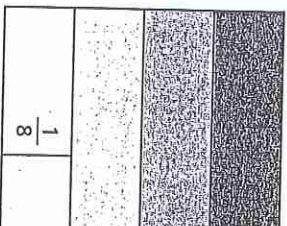
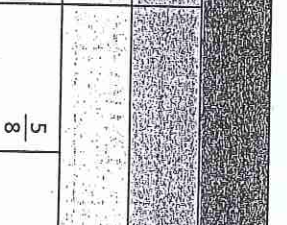
2 Shade each shape to represent the given fraction.



2.5

3 Shade and record an equivalent fraction for the ones given.



	
$\frac{1}{4}$	$\frac{2}{5}$
$\frac{2}{8}$	$\frac{3}{8}$
$\frac{4}{8}$	$\frac{5}{8}$
$\frac{3}{4}$	$\frac{6}{8}$
$\frac{7}{8}$	

4 Use the table to compare the fractions. Write true or false.

- a  $\frac{1}{2}$  is smaller than  $\frac{1}{4}$  ~~false~~ true ✓
- b  $\frac{3}{8}$  is larger than  $\frac{1}{4}$  ~~true~~ false ✓
- c  $\frac{1}{2}$  is the same as  $\frac{4}{8}$  ~~false~~ true ✓
- d  $\frac{5}{8}$  is smaller than  $\frac{1}{2}$  ~~true~~ false ✓
- e  $\frac{7}{8}$  is larger than  $\frac{3}{4}$  ~~true~~ true ✓
- f  $\frac{3}{4}$  is the same as  $\frac{6}{8}$  ~~true~~ true ✓